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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 09/910,952 | 07/24/2001 | Duck Chul Hwang | 1567.1015/MDS/JGM | 3638 |
| 49455 | 7590 | 01/31/2006 | EXAMINER | |
| STEIN, MCEWEN & BUI, LLP 1400 EYE STREET, NW SUITE 300 WASHINGTON, DC 20005 | | | WEINER, LAURA S | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 1745 | |

DATE MAILED: 01/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/910,952

Applicant(s)

HWANG ET AL.

Examiner

Laura S. Weiner

Art Unit

1745

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 December 2005.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2-40 is/are pending in the application.
- 4a) Of the above claim(s) 5-7 and 18-28 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2-4, 8-17 and 29-40 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input checked="" type="checkbox"/> Other: <u>Exhibit A9B</u> |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 12-9-05 have been fully considered but they are not persuasive.

The claims remain rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The reasons are discussed below.

The Declaration under Rule 132 filed 6-29-05 and the evidentiary table provided with the January 18, 2005 response has been received. It is agreed that this is one of the common ways to label viscosity but it is not the only way. Viscosity can be described by using units of Poise (P), Centipoises (cP), Millipascal (mPa), Centistokes (CK), Pa, etc. The units of viscosity needed to be present in the specification and the claims when the application was filed. No units were present in the claims or specification. In addition, as seen in Exhibit A, Centipoises, Millipascal and Centistokes are equivalent and therefore, the units does not have to be cP as stated by applicant. Further addition, as seen in Exhibit B, is when the Examiner went on the internet to pull up density, the first chart that was found stated viscosity in units of Centistokes which is not cP units. Therefore, the rejection still remains.

Applicant argues that the Declaration under Rule 132 filed 10-2-03 was filed to declare the non-obvious of claimed ranges in that the range points for solvent

concentrations of 30% and 70% were envisioned. The declaration has been reviewed. In regard to the non-obvious of claimed ranges, the rejections over Simon et al., Skotheim et al. and Dahn et al. have been withdrawn.

In regard to the solvent concentrations of 30% and 70% being envisioned, it is noted but nowhere in the specification is these concentrations cited. The specification on page 5, [0023], states that "it is preferable to use roughly between 20-80% by volume of the first and second solvent". Other ranges points mentioned are on pages 7-8, Tables 1-2 in which the first solvent is 40% and the second solvent is 60% or the first solvent is 50% and the second solvent is 50%. As stated in the Declaration, on page 2, #6, DuckChul Hwang performed the experiment in August 2003 which the data is shown in the Declaration. It was not until August 2003 that there was recognition to the criticality of moving the data points to 30/70. The specification was filed in 2001. Therefore, the rejection still remains.

In claims 4, 11, 33 and 37, there is no data points for the first solvent being between 20% to 30% by volume. There is no support for claiming 30% by volume as a range point. There is support for 20-80 % by volume or 20-40% by volume. Therefore, the rejection still remains.

In claims 12, 32 and 36, there is no support in the specification for the phrase "the second solvent is between 70% and 80% inclusively by volume of the electrolyte". There is no support for claiming 70% by volume as a range point. There is support for 20-80% by volume or 60-80% by volume. Therefore, the rejection still remains.

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In addition, the identifier label of claims 3 and 15 are incorrect because these claims are not withdrawn but have been examined.

Election/Restrictions

2. Claims 5-7, 18-28 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected species, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 12-8-03.

Claim Rejections - 35 USC § 112

3. Claims 2-3; 4, 8-9, 29-30; 10, 31-35; 11; 12-13; 14-17, 36-40 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

In claims 2,4, 10-12, there is no support for defining the viscosity with units of cP (centipoises). It is agreed that this is one of the common ways to label viscosity but it is not the only way. Viscosity can be described by using units of poise, centipoises, Pa, etc. The units of viscosity should have been present in the specification and claims when the application was filed.

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In claims 4, 11, 33 and 37, there is no support in the specification for the phrase “between 20% inclusively and 30% by volume of the electrolyte”. There is no support for claiming 30% by volume as a range point. There is support for 20-80 % by volume or 20-40% by volume.

In claims 12, 32 and 36, there is no support in the specification for the phrase “the second solvent is between 70% and 80% inclusively by volume of the electrolyte”. There is no support for claiming 70% by volume as a range point. There is support for 20-80% by volume or 60-80% by volume.

Conclusion


2. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura S. Weiner whose telephone number is 571-272-1294. The examiner can normally be reached on M-F (6:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Laura S Weiner
Primary Examiner
Art Unit 1745

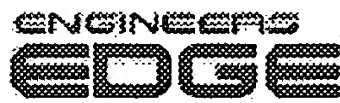
January 12, 2006

Exhibit A
M. J. R. M. J. R.

The following viscosities are based on materials with a specific gravity of one.

| Centipoise (CPS) or Millipascal (mPas) | Poise (P) | Centistokes (CKS) | Stokes (S) | Saybolt Universal (SSU) |
|--|-----------|-------------------|------------|-------------------------|
| 1 | 0.01 | 1 | 0.01 | 31 |
| 2 | 0.02 | 2 | 0.02 | 34 |
| 4 | 0.04 | 4 | 0.04 | 38 |
| 7 | 0.07 | 7 | 0.07 | 47 |
| 10 | 0.1 | 10 | 0.1 | 60 |
| 15 | 0.15 | 15 | 0.15 | 80 |
| 20 | 0.2 | 20 | 0.2 | 100 |
| 25 | 0.24 | 25 | 0.24 | 130 |
| 30 | 0.3 | 30 | 0.3 | 160 |
| 40 | 0.4 | 40 | 0.4 | 210 |
| 50 | 0.5 | 50 | 0.5 | 260 |
| 60 | 0.6 | 60 | 0.6 | 320 |
| 70 | 0.7 | 70 | 0.7 | 370 |
| 80 | 0.8 | 80 | 0.8 | 430 |
| 90 | 0.9 | 90 | 0.9 | 480 |
| 100 | 1 | 100 | 1 | 530 |
| 120 | 1.2 | 120 | 1.2 | 580 |
| 140 | 1.4 | 140 | 1.4 | 690 |
| 160 | 1.6 | 160 | 1.6 | 790 |
| 180 | 1.8 | 180 | 1.8 | 900 |
| 200 | 2 | 200 | 2 | 1000 |
| 220 | 2.2 | 220 | 2.2 | 1100 |
| 240 | 2.4 | 240 | 2.4 | 1200 |
| 260 | 2.6 | 260 | 2.6 | 1280 |
| 280 | 2.8 | 280 | 2.8 | 1380 |
| 300 | 3 | 300 | 3 | 1470 |
| 320 | 3.2 | 320 | 3.2 | 1530 |
| 340 | 3.4 | 340 | 3.4 | 1630 |
| 360 | 3.6 | 360 | 3.6 | 1730 |
| 380 | 3.8 | 380 | 3.8 | 1850 |
| 400 | 4 | 400 | 4 | 1950 |
| 420 | 4.2 | 420 | 4.2 | 2050 |
| 440 | 4.4 | 440 | 4.4 | 2160 |

Exhibit B



Dirty hands?



Fluid Characteristics Chart / Data, Density, Vapor Pressure and Viscosity / Data

Ads by Goooooogle

[Fluid Flow Table of Contents](#) | [Hydraulic and Pneumatic Knowledge](#)
[Products and Services Directory](#) | [Fluid Power Equipment](#)

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| Fluid Name | Temperature deg. C | Viscosity Centistokes | Density kg / litre | Vapour Pressure kPa. |
|---------------------------------|-----------------------|--------------------------|-----------------------|----------------------------|
| Acetaldehyde | 20 | 0.295 | 0.788 | 105 |
| Acetaldehyde | 30 | 0.275 | 0.748 | 148 |
| Acetic acid | 20 | 1.232 | 1.048 | 3.3 |
| Acetic acid anhydride | 20 | 0.88 | 1.084 | 1.3 |
| Acetone | 20 | 0.41 | 0.79 | 30 |
| Allyl alcohol | 20 | 1.603 | 0.852 | 2.4 |
| Allyl alcohol | 30 | 1.36 | 0.848 | 4.3 |
| Allyl alcohol | 40 | 1.067 | 0.844 | 7.4 |
| Allyl chloride | 20 | 0.354 | 0.94 | 30 |
| Aluminium chloride [5% sol] | 20 | 3.54 | 1.03 | 2.4 |
| Aluminium nitrate [10% sol] | 20 | 4.54 | 1.051 | 2.4 |
| Aluminium sulphate [10% sol] | 20 | 1.34 | 1.115 | 2.4 |
| Amyl acetate | 20 | 4.34 | 0.885 | 1.3 |
| Aniline | 10 | 6.4 | 1.03 | 0.5 |
| Aniline | 20 | 4.37 | 1.021 | 0.5 |
| Beer | 20 | 1.8 | 0.996 | 2.4 |
| Benzene | 20 | 0.744 | 0.879 | 14 |
| Benzene | 30 | 0.65 | 0.868 | 20.7 |
| Benzene | 40 | 0.58 | 0.858 | 30 |
| Benzene | 50 | 0.54 | 0.847 | 42.5 |
| Benzene | 60 | 0.51 | 0.836 | 60 |
| Benzyl alcohol | 20 | 5.52 | 1.045 | 0.5 |
| Bromine | 20 | 0.34 | 3.12 | 48 |
| Butyl acetate | 20 | 0.832 | 0.885 | 3.3 |
| Butyl alcohol | 20 | 3.64 | 0.81 | 5.4 |
| Butyl alcohol | 30 | 2.85 | 0.803 | 8.7 |
| Butyric acid n | 0 | 2.35 | 0.977 | 0.5 |
| Butyric acid n | 10 | 1.93 | 0.967 | 0.5 |

| | | | | |
|-------------------------------|----|-------|-------|------|
| Butyric acid n | 20 | 1.61 | 0.957 | 0.5 |
| Calcium chloride [25% sol] | 20 | 3.9 | 1.227 | 2.4 |
| Calcium chloride [5% sol] | 20 | 1.161 | 1.037 | 2.4 |
| Carbolic acid | 20 | 11.3 | 1.078 | 0 |
| Carbolic acid | 30 | 9.7 | 1.069 | 0 |
| Carbolic acid | 40 | 7.95 | 1.059 | 0 |
| Carbolic acid | 50 | 6.15 | 1.05 | 0 |
| Carbon disulphide | 0 | 0.33 | 1.292 | 22 |
| Carbon disulphide | 10 | 0.316 | 1.277 | 33 |
| Carbon disulphide | 20 | 0.298 | 1.262 | 48 |
| Carbon tetrachloride | 20 | 0.612 | 1.595 | 20.7 |
| Carbon tetrachloride | 30 | 0.525 | 1.525 | 30 |
| Castor oil | 20 | 1017 | 0.96 | 0 |
| Castor oil | 30 | 580 | 0.955 | 0 |
| Castor oil | 40 | 315 | 0.95 | 0 |
| Castor oil | 50 | 200 | 0.945 | 0 |
| Castor oil | 60 | 115 | 0.94 | 0 |
| China wood oil | 20 | 308 | 0.933 | 0 |
| China wood oil | 30 | 200 | 0.926 | 0 |
| China wood oil | 40 | 120 | 0.918 | 0 |
| Chloroform | 20 | 0.38 | 1.489 | 30 |
| Chloroform | 30 | 0.38 | 1.471 | 43 |
| Chloroform | 40 | 0.37 | 1.452 | 62 |
| Chloroform | 50 | 0.36 | 1.434 | 87 |
| Chloroform | 60 | 0.35 | 1.415 | 120 |
| Cotton seed oil | 20 | 76 | 0.926 | 0 |
| Cotton seed oil | 30 | 50 | 0.921 | 0 |
| Cotton seed oil | 40 | 35 | 0.916 | 0 |
| Cyclohexanol | 20 | 71 | 0.952 | 0.5 |
| Cyclohexanone | 20 | 4.9 | 0.952 | 0.5 |
| Cylinder oil | 20 | 50000 | 0.94 | 0 |
| Dioxan | 20 | 2 | 1.03 | 0 |
| Ethyl acetate | 20 | 0.51 | 0.905 | 14 |
| Ethyl alcohol | 20 | 1.51 | 0.772 | 9 |
| Ethyl alcohol | 30 | 1.32 | 0.754 | 14 |
| Ethyl alcohol | 40 | 1.16 | 0.737 | 20.7 |
| Ethyl glycol | 20 | 2.3 | 0.93 | 0.5 |
| Ethylene glycol | 20 | 18 | 1.112 | 0.5 |

| | | | | |
|---------------------------|----|-------|-------|------|
| Ethylene glycol | 30 | 16.5 | 1.104 | 0.5 |
| Formic acid | 20 | 1.5 | 1.22 | 5.4 |
| Formic acid | 30 | 1.38 | 1.208 | 8.7 |
| Fuel oil (El) Extra light | 20 | 6 | 0.85 | 0 |
| Fuel oil (l) light | 20 | 16.5 | 0.91 | 0 |
| Fuel oil (m) medium | 20 | 520 | 0.99 | 0 |
| Fuel oil (s) heavy | 20 | 8000 | 0.99 | 0 |
| Furfurol | 20 | 1.45 | 1.16 | 0.5 |
| Furfurol | 30 | 1.25 | 1.149 | 1.5 |
| Gear oil | 20 | 3000 | 0.905 | 0 |
| Glycerine | 20 | 1183 | 1.261 | 0 |
| Heptane | 0 | 0.74 | 0.702 | .02 |
| Heptane | 10 | 0.66 | 0.692 | .03 |
| Heptane | 20 | 0.6 | 0.682 | .05 |
| Heptane | 30 | 0.55 | 0.671 | .08 |
| Heptane | 40 | 0.51 | 0.661 | 0.1 |
| Hexane | 0 | 0.62 | 0.678 | .02 |
| Hexane | 10 | 0.57 | 0.668 | .03 |
| Hexane | 20 | 0.51 | 0.658 | .05 |
| Hexane | 30 | 0.45 | 0.649 | .08 |
| Hexane | 40 | 0.4 | 0.639 | 0.1 |
| Kerosine | 20 | 2.4 | 0.804 | 0.5 |
| Kerosine | 30 | 1.85 | 0.78 | 0.5 |
| Linseed oil | 20 | 47 | 0.92 | 0 |
| Machine oil - light | 20 | 47 | 0.9 | 0 |
| Machine oil - medium | 20 | 850 | 0.94 | 0 |
| Mercury | 20 | 0.119 | 13.57 | 0 |
| Methyl acetate | 20 | 0.44 | 0.959 | 48 |
| Methyl acetate | 30 | 0.39 | 0.937 | 68 |
| Methyl acetate | 40 | 0.35 | 0.916 | 95 |
| Methyl alcohol | 0 | 1.04 | 0.81 | 13.4 |
| Methyl alcohol | 10 | 0.855 | 0.801 | 20 |
| Methyl alcohol | 20 | 0.745 | 0.792 | 30 |
| Methyl glycol | 20 | 1.6 | 0.975 | 0 |
| Methylene chloride | 20 | 0.9 | 1.326 | 72 |
| Milk | 20 | 1.13 | 1.035 | 2.4 |
| Nitro benzine | 20 | 1.67 | 1.203 | 0.5 |
| Nonane | 0 | 1.35 | 0.733 | 0.5 |

| | | | | |
|------------------|-----|-------|-------|-------|
| Nonane | 10 | 1.15 | 0.725 | 0.5 |
| Nonane | 20 | 1 | 0.717 | 0.5 |
| Nonane | 30 | 0.89 | 0.709 | 1.5 |
| Nonane | 40 | 0.79 | 0.701 | 2.4 |
| Octane | 0 | 1.05 | 0.719 | 0.5 |
| Octane | 10 | 0.935 | 0.711 | 0.5 |
| Octane | 20 | 0.805 | 0.702 | 0.5 |
| Octane | 30 | 0.72 | 0.694 | 1.5 |
| Octane | 40 | 0.64 | 0.685 | 2.4 |
| Oil SAE 10W - 30 | 20 | 130 | 0.875 | 0 |
| Oil SAE 10W | 20 | 115 | 0.87 | 0 |
| Oil SAE 20W - 20 | 20 | 200 | 0.885 | 0 |
| Oil SAE 30 | 20 | 350 | 0.89 | 0 |
| Oil SAE 40 | 20 | 900 | 0.9 | 0 |
| Oil SAE 50 | 20 | 950 | 0.902 | 0 |
| Olive oil | 20 | 91.5 | 0.91 | 0 |
| Paraffin oil | 20 | 2.4 | 0.804 | 0.5 |
| Paraffin oil | 30 | 1.85 | 0.78 | 0.5 |
| Pentane | 0 | 0.44 | 0.646 | 32 |
| Pentane | 10 | 0.39 | 0.636 | 50 |
| Pentane | 20 | 0.36 | 0.626 | 72 |
| Pentane | 30 | 0.34 | 0.616 | 101 |
| Phenol | 20 | 11.3 | 1.078 | 0.5 |
| Phenol | 30 | 9.7 | 1.069 | 0.5 |
| Phenol | 40 | 7.95 | 1.059 | 1 |
| Phenol | 50 | 6.15 | 1.05 | 1.6 |
| Propanol | 20 | 2.8 | 0.804 | 2.4 |
| Propanol | 30 | 2.2 | 0.795 | 4.3 |
| Propanol | 40 | 1.7 | 0.786 | 7.4 |
| Propanol | 50 | 1.4 | 0.777 | 12.3 |
| Propionic acid | 20 | 1.13 | 0.99 | 0.5 |
| Propylene glycol | 20 | 54 | 1.038 | 0 |
| Rapeseed oil | 20 | 178 | 0.92 | 0 |
| Sea water | 0 | 1.774 | 1.028 | 0.6 |
| Sea water | 10 | 1.346 | 1.028 | 1.3 |
| Sea water | 100 | 0.229 | 0.984 | 101.3 |
| Sea water | 20 | 1.044 | 1.025 | 2.4 |
| Sea water | 30 | 0.822 | 1.023 | 4.3 |
| Sea water | 40 | 0.659 | 1.019 | 7.4 |
| Sea water | 50 | 0.536 | 1.015 | 12.3 |

| | | | | |
|-------------------------------|-----|-------|-------|-------|
| Sea water | 60 | 0.442 | 1.01 | 19.9 |
| Sea water | 70 | 0.369 | 1.004 | 31.2 |
| Sea water | 80 | 0.311 | 0.998 | 47.4 |
| Sea water | 90 | 0.265 | 0.991 | 70.1 |
| Sodium chloride [25% sol] | 20 | 2.4 | 1.19 | 2.4 |
| Sodium hydroxide [20% sol] | 20 | 4 | 1.226 | 2.4 |
| Sodium hydroxide [30% sol] | 20 | 10 | 1.33 | 2.4 |
| Soya bean oil | 20 | 75 | 0.926 | 0 |
| Styrene | 20 | 0.9 | 0.926 | 0.5 |
| Sulphuric acid | 20 | 14.6 | 1.839 | 2.4 |
| Tetrachloroethane | 20 | 1.1 | 1.593 | 1.3 |
| Tetrachloroethylene | 20 | 0.95 | 1.621 | 3.3 |
| Toluene | 20 | 0.68 | 0.867 | 5.4 |
| Toluene | 30 | 0.61 | 0.858 | 8.7 |
| Toluene | 40 | 0.55 | 0.849 | 13 |
| Toluene | 50 | 0.5 | 0.84 | 19.5 |
| Toluene | 60 | 0.46 | 0.831 | 28 |
| Transformer oil | 20 | 30 | 0.95 | 0 |
| Trichloroethylene | 20 | 0.96 | 1.463 | 14 |
| Water | 0 | 1.788 | 1 | 0.6 |
| Water | 10 | 1.307 | 1 | 1.3 |
| Water | 100 | 0.295 | 0.958 | 101.3 |
| Water | 20 | 1.002 | 0.998 | 2.4 |
| Water | 30 | 0.802 | 0.996 | 4.3 |
| Water | 40 | 0.662 | 0.992 | 7.4 |
| Water | 50 | 0.555 | 0.988 | 12.3 |
| Water | 60 | 0.475 | 0.983 | 19.9 |
| Water | 70 | 0.414 | 0.978 | 31.2 |
| Water | 80 | 0.365 | 0.972 | 47.4 |
| Water | 90 | 0.327 | 0.965 | 70.1 |
| Xylene-o | 20 | 0.93 | 0.864 | 0 |
| Xylene-o | 30 | 0.83 | 0.855 | 0 |
| Xylene-o | 40 | 0.74 | 0.847 | 0 |

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